

## TO THE COURT WITH THE COURT WAS AND THE COURT WAS A STATE OF THE COURT WAS A STATE OF THE COURT WAS A STATE OF

(43) International Publication Date 5 February 2004 (05.02.2004)

**PCT** 

## (10) International Publication Number WO 2004/010818 A1

(51) International Patent Classification7:

A45D 24/22

(21) International Application Number:

PCT/KR2003/001458

(22) International Filing Date:

23 July 2003 (23.07.2003)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data:

10-2002-0045708

25 July 2002 (25.07.2002) KR

10-2003-0050388

22 July 2003 (22.07.2003) KR

(71) Applicant and

(72) Inventor: LEE, Jae-Kun [KR/KR]; Seong-dong 562, Suseong-gu, Taegu 706-150 (KR).

(74) Agent: LEE, Chul-Woo; C. Lee International Law Group,

Joongang Bldg. 204, Seocho-dong 1716-4, Seocho-gu, Seoul 137-070 (KR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

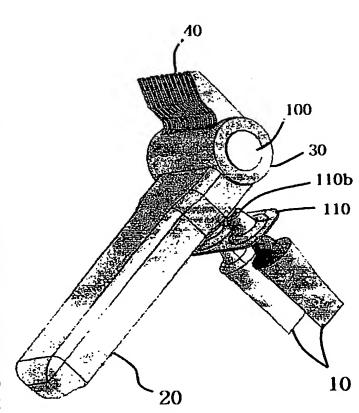
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DYE CONTAINER AND HAIR DYEING DEVICE USING THE SAME



This invention relates to a device (57) Abstract: for performing dyeing operation such as bleaching, coloring, and coating using an electric power with a dye container attached. Main components of the invention are comprised of a body, a comb assembly, a pump and a piping member. The body composed of handle and head is equipped with a motor, battery and switch. The comb assembly composed of a plurality of teeth having respective conduits is rotatably fixed to the body. The pump is connected to the motor so as to feed the dye from the container attached to the body to the respective comb of the comb assembly with an enforced and uniform flow. The piping member is disposed at a flow path between the pump and the comb assembly so as to maintain a uniform flow of dye through the conduits of the comb assembly.